

Substitute for form 1449/PTO				<b><i>Complete if Known</i></b>	
				Application Number	09/944,328
				Filing Date	August 31, 2001
				First Named Inventor	Brig B. Elliott
				Art Unit	2131
				Examiner Name	Jeremiah Avery
Sheet	1	of	4	Attorney Docket Number	BBNT-P01-134

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-2002/0015573	02-2002	Ishibashi	
		US-2002/0021467	02-2002	Ofek et al.	
		US-2002/0025041	02-2002	Tomita	
		US-2002/0141019	10-2002	Chang et al.	
		US-2003/0059157	03-2003	DeCusatis et al.	
		US-2003/0180042	09-2003	Nelles et al.	
		US-20030231771	12-2003	Gisin et al.	
		US-2004/0005056	01-2004	Nishioka et al.	
		US-2004/0008843	01-2004	Van Enk	
		US-2004/0109564	06-2004	Cerf et al.	
		US-2004/0136321	07-2004	Ren et al.	
		US-2004/0165884	08-2004	Al-Chalabi, Salah	
		US-2004/0190725	09-2004	Yuan et al.	
		US-2005/0094818	05-2005	Inoue et al.	
		US-4,770,535	09-1988	Kim et al.	
		US-5,157,461	10-1992	Page, Jerry L.	
		US-5,307,410	04-1994	Bennett	
		US-5,339,182	08-1994	Kimble et al.	
		US-5,515,438	05-1996	Bennett et al.	
		US-5,675,648	10-1997	Townsend et al.	
		US-5,720,608	02-1998	Aoki et al.	
		US-5,757,912	05-1998	Blow	
		US-5,764,767	06-1998	Beimel et al.	
		US-5,768,378	06-1998	Townsend et al.	
		US-5,850,441	12-1998	Townsend et al.	

Examiner Signature		Date Considered	
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	US-5,953,421	09-1999	Townsend et al.	
	US-5,966,224	10-1999	Hughes et al.	
	US-5,732,139	03-1998	Lo	
	US-5,764,765	06-1998	Phoenix et al.	
	US-5,911,018	06-1999	Bischel et al.	
	US-5,960,131	09-1999	Fouquet et al.	
	US-5,960,133	09-1999	Tomlinson	
	US-6,005,993	12-1999	MacDonald et al.	
	US-6,130,780	10-2000	Joannopoulos et al.	
	US-6,145,024	11-2000	Maezawa et al.	
	US-6,151,586	11-2000	Brown	
	US-6,160,627	12-2000	Ahn et al.	
	US-6,160,651	12-2000	Chang et al.	
	US-6,188,768	02-2001	Bethune et al.	
	US-6,208,935	03-2001	Yamada et al.	
	US-6,289,104	09-2001	Patterson et al.	
	US-6,519,062	02-2003	Yoo	
	US-6,539,410	03-2003	Klass	
	US-6,556,544	04-2003	Lee	
	US-6,594,055	07-2003	Sawerdt	
	US-6,647,010	11-2003	Ford et al.	
	US-6,650,805	11-2003	Chen et al.	
	US-6,720,589	04-2004	Shields	
	US-6,721,269	04-2004	Cao et al.	
	US-6,801,626	10-2004	Nambu	
	US-6,986,056	01-2006	Dultz et al.	
	US-7,035,411	04-2006	Azuma et al.	

Examiner Signature		Date Considered	
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 96/07951	03-1996	Kershaw et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		Office action issued on 09-26-2007 for 10/716,078				
		Awduché, D., et al., Multi-protocol Lambda Switching: Combining MPLS Traffic Engineering Control with Optical Cross-connects," IETF Internet Draft Memo, <a href="http://www.ietf.org/shadow.html">http://www.ietf.org/shadow.html</a> , January 2001, page 21.				
		Basak, D. et al., "Multi-protocol Lambda Switching: Issues in Combining MPLS Traffic Engineering Control with Optical Cross-connects," IETF Internet Draft Memo, <a href="http://www.ietf.org/shadow.html">http://www.ietf.org/shadow.html</a> , February 2000, pages 1-9.				
		Bennett, C., et al., "Quantum Cryptography: Public Key Distribution and Coin Tossing," Intl. Conf. on Computers, Systems and Signal Processing, Bangalore, India, December 10-12, 1984, 5 pages				
		Bethune, D.S., et al., "An Autocompensating Fiber-Optic Quantum Cryptography System Based on Polarization Splitting of Light, IEEE Journal of Quantum Electronics, 36(3):340-347 2000.				
		Bethune, D.S., et al., "Prototype Autocompensating Quantum Cryptography System based on Polarization Splitting of Light," Session QC41, CCOMP/CCP99: Quantum Computing and Cryptography, March 24, 1999, 4 pages.				
		Cabello, A., "Multiparty key distribution and secret sharing based on entanglement swapping," pp. 1-8, 2000.				
		Collins, G. "Quantum Cryptography Defies Eavesdropping," Physics Today, pp 21-23, 1992.				
		Crepeau, C., et al., "Secure Multi-party Quantum Computation," ACM, pp. 1-10, 2001.				
		Eisenberg et al., Lucent Technologies names Cherry Murray Physical Sciences Research Vice President, <a href="http://www.lucent.com/press/0300/000328.htm">http://www.lucent.com/press/0300/000328.htm</a> , March 28, 2000, 2 pages.				
		Franson, "Violations of a New Inequality for Classical Fields," Johns Hopkins University, NTIS NASA publication, Goddard Space Flight Center, Workshop on Squeezed States and Uncertainty Relations, pp 23-32, 1992.				
		Gisin, N., "Quantum Cryptography on Noisy Channels: Quantum versus Classical Key-Agreement Protocols," The American Physical Society, pp. 4200-4203, 1999.				
		Gottesman, D., et al., "Secure quantum key distribution using squeezed states," pp. 1-19, 2000.				

Examiner Signature	Date Considered
--------------------	-----------------

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Sheet	4	of	4	Attorney Docket Number	BBNT-P01-134

	"Laser End-Point Detection System", IBM Technical Disclosure Bulletin, 28(7):3151-3163, 1985.	
	Lin, L.Y. et al., "Free-Space Micromachined Optical Switches for Optical Networking," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, 1999.	
	Liu, S., et al., "A Practical Protocol For Advantage Distillation and Information Reconciliation," Kluwer Academic Publishers, pp. 39-62, 2003.	
	Maurer, U.M., et al., "Unconditionally Secure Key Agreement and The Intrinsic Conditional Information," IEEE Transactions on Information Theory, Vol. 45, No. 2, pp. 499-514, 1999.	
	Phoenix et al, "Multi-User Quantum Cryptography on Optical Networks," Journal of Modern Optics, 42(6):1155-1163, 1995.	
	"Quantum Public Key Distribution System," IBM Technical Disclosure Bulletin, 28(7):3153-3163, 1985.	
	Rosen et al., "Multiprotocol Label Switching Architecture, Internet Standards Track Protocol," Internet Official Protocol Standards (STD 1), pages 1-61, 2001.	
	Townsend et al, "Enhanced Single Photon Fringe Visibility in a 10 km Long Prototype Quantum Cryptography Channel," Electronics Letters, 29(14):1291-1293 (1993).	
	Townsend et al., "Secure Key Distribution System Based on Quantum Cryptography," Electronics Letters, 30(10):809-811, 1994.	
	Townsend et al., "Single Photon Interference in 10 km Long Optical Fibre Interferometer," Electronics Letters, 29(7):834-835, 1993.	
	Walker, James "Telecommunications Applications of MEMS, mstnews, pp. 6-9, 2000.	
	Zhang, Xian-Mo and Zhen, Yuliang, "Cryptographically Resilient Functions," IEEE Transactions on Information Theory, Vol. 43, No. 5, pp. 1740-1747, 1997. Found at: <a href="http://ieeexplore.ieee.org/iel3/18/13537/00623184.pdf?tp=&amp;arnumber=623184&amp;isnumber=13517">http://ieeexplore.ieee.org/iel3/18/13537/00623184.pdf?tp=&amp;arnumber=623184&amp;isnumber=13517</a> .	

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